AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

MAY 1957

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MAY 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.1	60.2	60.1	60.5	22.8	16.2	20.4	22.3	17.8	20.2
2	57.5	55.8	53.8	55.7	24.3	18.4	20.7	23.2	21.0	21.6
3	56.6	57.7	58.1	57.5	22.9	15.9	20.9	22.4	18.2	20.5
4	58 8	58.5	57.5	58.4	23.2	17.1	20.3	22.1	18.2	20.2
5	54.7	54.0	56.1	54.9	23.2	17.0	21.6	22.3	18.7	20.9
6	57.4	57.4	57.9	57.6	22.1	16.0	18.8	20.9	18.3	19.3
7	57.6	55.4	54.0	55.7	23.8	18.7	19.3	22.3	21.6	21.1
8	54.5	54.7	56.8	55.3	21.6	16.0	18.9	16.4	17.9	17.7
9	58.2	57.7	59.7	58.5	20.7	16.4	19.2	19.6	17.1	18.6
10	62.2	62.5	62.4	62.4	21.8	16.9	19.4	21.1	17.8	19.4
11	61.9	61.2	61.7	61.6	22.7	17.5	21.6	22.2	19.0	20.9
12	60.4	58.9	59.2	59.5	23.6	17.2	21.3	22.2	18.6	20.7
13	57.3	56 5	57.0	56.9	23.7	17.2	21.1	23.5	18.5	21.0
14	58.9	59.8	59.8	59.5	24 0	17.6	21.7	22.7	18.5	21.0
15	60 4	60.4	60.6	60.5	23.4	16.6	21.0	23.1	18.6	20.9
16	60.4	60.0	59.4	59.9	24.0	16.9	21.1	22.9	18.5	20.8
17	59.2	58 9	59.4	59.2	23.5	17.0	21.4	22.9	19.1	21.1
18	61.0	61.4	62.4	61.6	23.9	16.8	20.5	23.2	18.7	20.8
19	62.3	62.4	61.5	62.1	23.9	18.0	21.3	22.8	19.2	21.1
20	60.7	59.7	58.4	59.6	26.4	18.0	22.7	24.9	21 5	23.0
21	56.8	55.6	54.1	55.5	26.7	20.3	23.0	25.1	21.1	23.1
22	54.5	54.6	55 6	54.9	28.7	19.7	26.5	28.3	22.3	25.7
23	56.1	56.6	55.2	56.0	25.3	19.6	23.5	23.5	20.5	22.5
24	55.4	55.6	56.5	55.8	25.5	16 3	23.4	24.8	20.0	22.7
25	56.9	57.2	58.0	57.4	23.3	17.6	19.0	22.2	19.0	20.1
26	59.1	59.6	60.7	59.8	24.2	17.4	21.6	23.9	19.1	21.5
27	61.1	61.0	61.2	61.1	24.4	18.7	21.8	24.0	20.2	22.0
28	61.0	61.1	60.8	61.0	26.0	20.2	23.3	25.7	20.9	23.3
29	60.8	60.1	59.3	60.1	27.9	22.5	25.7	27.6	25.2	26.2
30	58.6	58.2	58.0	58.3	28.9	21.5	27.2	28.2	24.2	26.5
31	58.4	58.1	58.1	58.2	28.3	20.0	24.8	27.7	23.3	25.3
	58.70	58.41	58.49	58.55	24.35	17.91	21.71	23.35	19.76	21.60

Barometer, range for month 762.5 mm. — 753.8 mm.
„ 71-yr. average for month 759.50 mm.
Thermometer, range for month 28.9°C — 15.9°C
„ 71-yr. average for month 22.48°C
Rain total for month 43.13 mm.
„ 71-yr average for month 18.15 mm.
„ Total, Sept. 1st. to end of month 667.52 mm.
„ 71-yr average. Sept. 1st. to end of month 888.15 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	16.4	16.8	16.4	16.5	68	63	82	71	11.9	270	
2	17.6	20.1	15.4	17.7	72	70	61	68	10.3	538	
3	17.1	16.8	16.5	16.8	68	64	78	70	10.6	483	
4	14.7	16.8	18.2	16.6	64	64	87	72	11.4	272	
5	17.2	20.4	16.7	18.1	67	76	77	73	11.4	502	
6	15.0	16.5	15.5	15.7	70	66	74	70	7.6	575	0.20
7	14.6	17.4	15.5	15.8	64	66	60	63	7.5	631	
8	16.7	15.1	15.9	15.9	76	84	79	80	0.3	541	8.47
9	15.5	16.8	18.0	16.8	73	75	92	80	0.0	166	4.06
10	15.6	16.0	15.9	15.8	70	64	78	71	9.5	494	1.00
11	17.8	19.8	19.5	19.0	69	73	89	77	11.3	169	
12	18.9	19.8	17.6	18.8	76	73	84	78	10.1	150	
13	18.9	19.5	18.2	18.9	76	68	86	77	11.9	304	
14	17.8	18.7	17.6	18.0	68	67	85	73	12.8	327	
15	17.7	17.7	15.5	17.0	71	62	74	69	9.0	245	
16	17.1	16.9	17.1	17.0	68	61	83	71	13.0	171	
17	17.7	18.1	16.7	17.5	71	65	77	71	10.9	286	
18	16.4	17.1	17.2	16.9	67	60	78	68	10.5	270	
19	17.1	17.5	17.8	17.5	69	63	82	71	11.8	414	
20	17.5	20.0	17.2	18.2	64	63	66	64	12.0	391	
21	19.3	20.7	18.9	19.6	71	66	76	71	7.3	291	
22	12.1	18.0	21.6	17.2	35	46	80	54	10.4	430	
23	21.4	17.7	19.9	19.7	75	63	82	73	9.8	304	
24	19.5	18.2	16.9	18.2	67	57	74	66	11.5	425	
25	18.9	17.4	16.1	17.5	87	65	74	75	5.8	325	29.40
26	17.8	18.4	17.2	17.8	68	63	79	70	11.6	225	
27	18.4	20.3	19.2	19.3	71	68	82	74	13.0	327	
28	20.7	23.5	21.3	21.8	72	72	85	76	13.1	472	
29	23.5	24.4	19.4	22.4	72	67	62	67	13.1	354	
30	22.1	26.1	22.4	23.5	60	67	72	66	12.5	317	
31	24.6	27.3	22.6	24.8	78	74	78	77	12.6	241	
	17.92	19.03	17.87	18.27	69.3	66.3	77.9	71.2	10.15	351.94	1.39

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6ci-cu	6ci-st	0	4.0	2sw	3sw	2w	light	D.p m
2	10ci-st	0	0	3.3	1e	2ne	1ne	,,	
3	0	0	8st	2.7	4sW	3sw	1sw	,,	H.all dap
4	0	0	3ci	1.0	2n	2n	2ne	,,	D.p.m
5	3cu-ci	4ci-cu	9st	5.3	2n	2ne	2nw	,,	D.a.m
6	10cu-st	10cu-st	9cu-st	9.7	3sw	3sw	3w	light	
7	10st	9ci	10st	9.7	3sw	3sw	3w	,,	
8	10ni	10st	10cu-st	10.0	4sw	3sw	2sw	,,	Fog over sea.a.m
9	10st	10st	10st	10 0	1sw	2ne	2nw	,,	
10	9ci-st	0	0	3.0	3n	3ne	3ne	,,	
11	0	10ci-st	9st	6.3	3ne	2ne	1ne	light	Dew.p.m
12	7ci	10ci	9ci	8.7	2nw	2nw	1nw	,,	H.a.m.D.p.m
13	1ci-st	0	0	0.3	2w	2W	1w	,,	D.a.m.p.m
14	0	0	0	0.0	3w	2n	1n	,,	D.p.m
15	1cu-st	1st	10st	4.0	2n	3n	2sw	,,	
16	3cu-st	1cu	0	1.3	3sw	2w	2w	light	D.p.m
17	4cu-st	6cu-ci	10st	6.7	2w	3nw	2n	,,	
18	10st	5cu-st	1cu	5.3	3sw	3sw	1sw	,,	
19	0	1cu-st	0	0.3	2w	2n	3ne	,,	H.D.p.m
20	5ci	1cu-ci	0	2.0	3n	3e	2ne	,,	
21	10ci-st	3ci	4ci-st	5.7	2ne	3ne	2nw	light	
22	9cu-st ci	0	0	3.0	3sw	3sw	2sw	,,	
23	0	3ci	0	1.0	2sw	2nw	2nw	,,	
24	1cu	4cu	7cu-st	4.0	3sw	3sw	2sw	,,	
25	10st	9cu-st ci	3st	7.3	3sw	3sw	2sw	,,	
26	8st-ci cu	5cu-st	0	4.3	3sw	3sw	1sw	light	D.p.m
27	0	0	0	0.0	2n	2n	2ne	,,	D.p.m
28	0	1cu	0	0.3	2sw	3ne	2ne	,,	D.a.m.p.m
29	0	0	0	0.0	3ne	2ne	2ne	,,	
30	0	0	0	0.0	2ne	2e	1e	,,	
31	0	0	0	0.0	3sw	2ne	1sw	,,	D.p.m
	mean			3.85					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	6	4	1	0	0	15	4	1	0	31
14:30	5	9	2	0	0	10	2	3	0	31
20:30	2	9	1	0	0	9	5	5	0	31
Total	13	22	4	0	0	34	11	9	0	93

Number of days with rain 5, fog 1, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.08
Time of reading minus 2 hours equals G.C.T